

## Final Review 2 '0910

- 1) A cappuccino maker is on sale for 28% off. The regular price is \$85.
  - a. What is the sale price?
  - b. If there's 7.2% tax, what will the total final price be?
- 2) A bus travels 144 miles on 9 gallons of gas. Write and solve a proportion to determine the number of gallons needed to travel 650 miles.
- 3) In a capture-recapture process, 40 deer were tagged. When the game warden recaptured deer, there were 4 with tags out of a total of 35 deer caught. How many deer will the game warden predict to be present in the park?
- 4) Solve and check each proportion:
  - a)  $\frac{15}{64} = \frac{P}{100}$
  - b)  $\frac{22}{4} = \frac{32}{x}$
- 5) Terri's puppy weighed 53 ounces when it was three months old. If the puppy's weight increased by 23% during the next month, how much did it weigh at the end of the fourth month? (Draw a meaningful diagram.)
- 6) A farmer has 300 pumpkins left in his field to harvest. If he has already harvested 82% of his crop, how many pumpkins has he harvested? (Draw a meaningful diagram.)
- 7) These figures are similar. Find the values of x and y.

